

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore
RELEASE 1.5Welcome
United States Patent and Trademark Office

» Se

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)[Quick Links](#)

Welcome to IEEE Xplore

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

Your search matched **3** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Field inversion and point halving revisited***Fong, K.; Hankerson, D.; Lopez, J.; Menezes, A.;*

Computers, IEEE Transactions on , Volume: 53 , Issue: 8 , Aug. 2004

Pages:1047 - 1059

[\[Abstract\]](#) [\[PDF Full-Text \(776KB\)\]](#) **IEEE JNL****2 Reducing elliptic curve logarithms to logarithms in a finite field***Menezes, A.J.; Okamoto, T.; Vanstone, S.A.;*

Information Theory, IEEE Transactions on , Volume: 39 , Issue: 5 , Sept. 1991

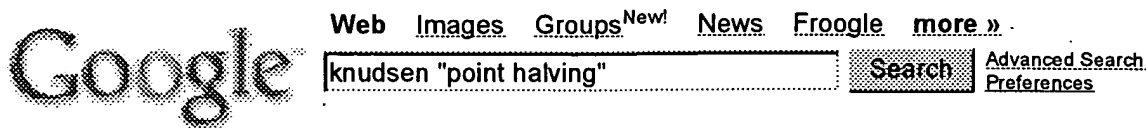
Pages:1639 - 1646

[\[Abstract\]](#) [\[PDF Full-Text \(648KB\)\]](#) **IEEE JNL****3 A semiflash A/D ultra-fast conversion technique***de Menezes, A.S.C.; de Avilez Filho, O.V.;*

Electrotechnical Conference, 1991. Proceedings., 6th Mediterranean , 22-24 M 1991

Pages:323 - 326 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(152KB\)\]](#) **IEEE CNF**

**Web**Results 1 - 10 of about 74 for **knudsen "point halving"**. (0.05 seconds)**[PDF] The Cryptographic Marriage of (Georg) Frobenius and Point Halving**File Format: PDF/Adobe Acrobat - [View as HTML](#)... of (Georg) Frobenius and **Point Halving** Officiant: Roberto Avanzi (Witnesses: Mathieu Ciet and Francesco Sica) ... Koblitz Curves **Point Halving** Superstition ...www.arehcc.com/download/Crypto_Marriage.pdf - [Similar pages](#)**Field Inversion and Point Halving Revisited**... We present a careful analysis of elliptic curve point multiplication methods that use the **point halving** technique of **Knudsen** and Schroeppe and compare these ...
csdl.computer.org/comp/trans/tc/2004/08/t1047abs.htm - 13k - [Cached](#) - [Similar pages](#)**CACR: 2001 Conferences**... fields of small characteristics Robert Harley: Generating secure elliptic curves using the AGM and early abort strategies Erik **Knudsen**: **Point halving**-How it ...www.cacr.math.uwaterloo.ca/conferences/2001/ecc/announcement.html - 15k - [Cached](#) - [Similar pages](#)**[PDF] Field inversion and point halving revisited**File Format: PDF/Adobe Acrobat - [View as HTML](#)... The final section presents a careful analysis of point multiplication methods that use the **point halving** technique of **Knudsen** and Schroeppe, and compares ...www.cacr.math.uwaterloo.ca/techreports/2003/corr2003-18.pdf - [Similar pages](#)[[More results from www.cacr.math.uwaterloo.ca](#)]**Elliptic Scalar Multiplication Using Point Halving**... Elliptic Scalar Multiplication Using **Point Halving**. Source, Lecture Notes In Computer Science; Vol. ... Erik Woodward **Knudsen**, Publisher, Springer-Verlag London, UK. ...portal.acm.org/citation.cfm?id=647095.716851 - [Similar pages](#)**DBLP: Erik Woodward Knudsen**... ACISP 2004: 478-491. 1999. 1, Erik Woodward **Knudsen**: Elliptic Scalar Multiplication Using **Point Halving**. ASIACRYPT 1999: 135-149. Coauthor Index. ...www.informatik.uni-trier.de/~ley/db/indices/a-tree/k/Knudsen:Erik_Woodward.html - 3k - [Cached](#) - [Similar pages](#)**Elliptic Curve Cryptography**... Elliptic scalar multiplication using **point halving**, E. **Knudsen**, Proc. of Asiacypt'99, Springer-Verlag, LNCS 1716, pp.135-149, 1999. (local copy); Speeding ...cnscenter.future.co.kr/crypto/algorithm/ecc.html - 54k - [Cached](#) - [Similar pages](#)**[PDF] SCALAR MULTIPLICATION ON KOBLITZ CURVES USING THE FROBENIUS ...**File Format: PDF/Adobe Acrobat - [View as HTML](#)... **Knudsen** [8] and Schroeppe [16] independently proposed a technique to speed up ... multiplication on all elliptic curves over binary fields based on **point halving**. ...www.wits.ac.za/helmut/pdf/tauext.pdf - [Similar pages](#)**Mathematics of Computation**... 6. EW **Knudsen**, Elliptic scalar multiplication using **point halving**, Advances in Cryptology-ASIACRYPT'99 (KY Lam, E. Okamoto, and C. Xing, eds.), LNCS, no. ...www.ams.org/mcom/2005-74-249/S0025-5718-04-01640-0/home.html - [Similar pages](#)

Mathieu CIET Home-Page

... speed-up computation on Koblitz curve combining **point halving** and endomorphism ... Vladimir Furman, Louis Granboulan, Dan Kenigsberg, Lars **Knudsen**, François Koeune ...
www.geocities.com/cietmathieu/ - 24k - [Cached](#) - [Similar pages](#)

Gooooooooogle ►

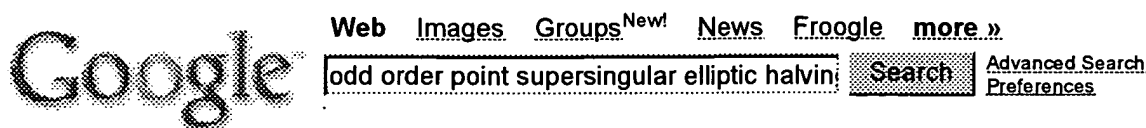
Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [Next](#)

 Free! [Google Desktop Search](#): Search your own computer.

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2005 Google

**Web**Results 1 - 10 of about 26 for odd order point supersingular elliptic halving. (0.36 seconds)**[PDF] Field inversion and point halving revisited**File Format: PDF/Adobe Acrobat - [View as HTML](#)... in 32-bit increments, in **order** to more ... of affine versus projective representations of curve **points**. ... M and inversions I) for **point** addition and doubling are ...www.cacr.math.uwaterloo.ca/techreports/2003/corr2003-18.pdf - [Similar pages](#)**[PS] Field inversion and point halving revisited Kenny Fong*, Darrel ...**File Format: Adobe PostScript - [View as Text](#)... the selection of affine versus projective representations of curve **points**. ... Let G be a **point** of **odd order** n on E ... In Section 4.3, **point halving** is used to obtain ...www.cacr.math.uwaterloo.ca/techreports/2003/corr2003-18.ps - [Similar pages](#)**[PDF] Fast hashing onto elliptic curves over fields of characteristic 3**File Format: PDF/Adobe Acrobat - [View as HTML](#)... of a hash function that maps arbitrary messages directly onto curve **points** in such a ... Consider the tuple (P, aP, bP, cP) where P is a **point** of **order** q of an ...eprint.iacr.org/2001/098.pdf - [Similar pages](#)**[PDF] Efficient Pairing Computation on Supersingular Abelian Varieties**File Format: PDF/Adobe Acrobat - [View as HTML](#)... more efficient to use other bases, for example to write the group **order** in base ... Replacing divisors by **points**: As explained above, the **point** R can be ...eprint.iacr.org/2004/375.pdf - [Similar pages](#)[\[More results from eprint.iacr.org \]](#)**[PDF] DETERMINING THE 2-SYLOW SUBGROUP OF AN ELLIPTIC CURVE OVER A ...**

File Format: PDF/Adobe Acrobat

... $2 \mid r$, \bullet two **points** in $E(F_q)$, of **orders** $2 \mid n$... $3 + ax^2 + bx + c$, the rational **points** of **order** 2 are ... to decide whether or not such a rational **point** exists, we ...www.ams.org/mcom/2005-74-249/S0025-5718-04-01640-0/S0025-5718-04-01640-0.pdf - [Similar pages](#)**[PS] O conte'udo do presente relat'orio 'e de 'unica responsabilidade ...**File Format: Adobe PostScript - [View as Text](#)... **Orders**. ... In **order** to compute kP , the l -bit integer k is divided into h blocks K_r , each one of length $a = dl = he$ if c **odd** then Set $u (c \setminus \Gamma_{2d} \pmod{4})$...cnscenter.future.co.kr/resource/crypto/algorithm/ecc/lopez00overview.ps - [Similar pages](#)**Rational Points and Group Structure**... law exists if there is a single **point** at infinity ... cardinality of the Jacobian modulo some **odd** primes and ... field, returns the factorization of the **order** of the ...magma.maths.usyd.edu.au/magma/htmlhelp/text1217.htm - 16k - [Cached](#) - [Similar pages](#)**[PDF] LNCS 1716 - Elliptic Scalar Multiplication Using Point Halving**

File Format: PDF/Adobe Acrobat

... We will use the notation T_{2k} for a **point** of **order** $2k$... where G is a group of **odd order** and $k \geq 1$. When $k = 1$ we will say that the curve has minimal two ...www.springerlink.com/index/C8YMVX998KATTKGM.pdf - [Similar pages](#)**[PDF] LNCS 2947 - A Point Compression Method for Elliptic Curves Defined ...**

File Format: PDF/Adobe Acrobat

... $\text{Tr}(\lambda) + 1$. Hence whenever n is **odd**, which we ... will belong to this subgroup of large prime **order**. ... A Point Compression Method for **Elliptic** Curves Defined over GF ...

www.springerlink.com/index/ACY581CA6CBAMY7.pdf - [Similar pages](#)


[[More results from www.springerlink.com](#)]

[ps] [Chapter 1 Introduction to **Elliptic** Curves.](#)

File Format: Adobe PostScript - [View as Text](#)

... is **odd** and c ... **elliptic** curves as in the corollary and with a rational **point**, the **order** of the ... 0). However I have been able to find examples only of **orders** 1 and ...

www.math.mcgill.ca/connell/public/ECH1/c1.ps - [Similar pages](#)

Google 


Result Page: 1 2 [Next](#)

 Free! [Google Desktop Search](#): Search your own computer.

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2005 Google


[Web](#) [Images](#) [Groups](#) ^{New!} [News](#) [Froogle](#) [more »](#)

[Advanced Search](#)
[Preferences](#)

WebResults 1 - 6 of about 8 for halving koyama okamoto "elliptic curve". (0.31 seconds)

Tip: Try removing quotes from your search to get more results.

Elliptic Curve Cryptography

... Applications, N. Kunihiro and K. **Koyama**, IEICE Trans ... local copy); Realizing the Menezes-**Okamoto**-Vanstone(MOV ... scalar multiplication using point **halving**, E. Knudsen ...
 cnscenter.future.co.kr/crypto/algorithm/ecc.html - 54k - [Cached](#) - [Similar pages](#)

[PS] O conte'udo do presente relat'orio 'e de 'unica responsabilidade ...

File Format: Adobe PostScript - [View as Text](#)

... discrete log problem under the Menezes-**Okamoto**-Vanstone algo ... EW Knudsen, "Elliptic scalar multiplication using point **halving**", In Asiacypt ... [42] K. **Koyama** and Y ...

cnscenter.future.co.kr/resource/ crypto/algorithm/ecc/lopez00overview.ps - [Similar pages](#)

[PDF] A Provably Secure Elliptic Curve Scheme with Fast Encryption

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... involves the computation of the multiple $r\#Q$, where r has roughly the same length as n . **Koyama** et al. propose in [8] a (deterministic) **elliptic curve** RSA based ...

www-ma4.upc.es/~dgalindo/liftedRabin.pdf - [Similar pages](#)

ASIACRYPT 1999

... Kenji **Koyama**, Yukio Tsuruoka, Noboru Kunihiro: Modulus ... Imai: Optimizing the Menezes-**Okamoto**-Vanstone (MOV ... Elliptic Scalar Multiplication Using Point **Halving**. ...

www.sigmod.org/sigmod/dblp/ db/conf/asiacrypt/asiacrypt99.html - 15k - [Cached](#) - [Similar pages](#)

TOC

... **Elliptic Curve** Cryptosystems Kenji **Koyama**, Yukio Tsuruoka ... Optimizing the Menezes-**Okamoto**-Vanstone (MOV ... Scalar Multiplication Using Point **Halving** Erik Woodward ...

portal.acm.org/toc.cfm?id=647095&type=proceeding - [Similar pages](#)

[PDF] LNCS 3348 - A Provably Secure Elliptic Curve Scheme with Fast ...

File Format: PDF/Adobe Acrobat

Page 1. A Provably Secure **Elliptic Curve** Scheme with ... 1 Introduction Several **elliptic curve** based cryptosystems have been proposed during the last decades. ...

www.springerlink.com/index/2WLW0F8ULG0U1QXE.pdf - [Similar pages](#)

In order to show you the most relevant results, we have omitted some entries very similar to the 6 already displayed.

If you like, you can repeat the search with the omitted results included.

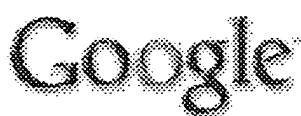


Free! [Google Desktop Search](#): Search your own computer.

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2005 Google


[Web](#) [Images](#) [Groups](#) ^{New!} [News](#) [Froogle](#) [more »](#)

[Advanced Search](#)
[Preferences](#)

Web

 Results 1 - 10 of about 102 for "**efficient arithmetic on koblitz curves**". (0.10 seconds)

Efficient Arithmetic on Koblitz Curves

... **Efficient Arithmetic on Koblitz Curves**. Full text, Full text available on the Publisher site Publisher Site. Source, Designs, Codes and ...
portal.acm.org/citation.cfm?id=343488 - [Similar pages](#)

A New Addition Formula for Elliptic Curves over $GF(2^n)$

... 7 Jerome A. Solinas, **Efficient Arithmetic on Koblitz Curves**, Designs, Codes and Cryptography, v.19 n.2-3, p.195-249, March 2000. ...

portal.acm.org/citation.cfm?id=626530.627224 - [Similar pages](#)

[[More results from portal.acm.org](#)]

[PDF] Improved Algorithms for Efficient Arithmetic on Elliptic Curves ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Page 1. Improved Algorithms for Efficient Arithmetic on Elliptic Curves using Fast Endomorphisms Mathieu Ciet 1 , Tanja Lange 2 , Francesco ...

www.dice.ucl.ac.be/crypto/publications/2003/EC03.pdf - [Similar pages](#)

[PS] Speeding up the Arithmetic on Koblitz Curves of Genus Two

File Format: Adobe PostScript - [View as Text](#)

... 1204. Springer-Verlag, Berlin Heidelberg New York (1997) 357-371 [23] Solinas, J.:

Efficient Arithmetic on Koblitz Curves. Techn. Report CORR 99-09, ...

www.cacr.math.uwaterloo.ca/techreports/2000/corr2000-04.ps - [Similar pages](#)

C&O 685 - Projects

... Fast arithmetic on Koblitz curves: J. Solinas, **Efficient arithmetic on Koblitz curves**, Designs, Codes and Cryptography, 19 (2000), 195-249. ...

www.cacr.math.uwaterloo.ca/~ajmeneze/co485/projects.html - 11k -

[Cached](#) - [Similar pages](#)

[[More results from www.cacr.math.uwaterloo.ca](#)]

Implementation

... 2000. (local copy); **Efficient arithmetic on Koblitz curves**, J. Solinas, Designs, Codes and Cryptography, 19 (2000), 195-249; Improved ...

www.securitytechnet.com/crypto/algorithm/implementation.html - 31k -

[Cached](#) - [Similar pages](#)

[PDF] SCALAR MULTIPLICATION ON KOBLITZ CURVES USING THE FROBENIUS ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Page 1. SCALAR MULTIPLICATION ON KOBLITZ CURVES USING THE FROBENIUS ENDOMORPHISM AND ITS COMBINATION WITH POINT HALVING: EXTENSIONS AND MATHEMATICAL ANALYSIS ...

www.wits.ac.za/helmut/pdf/tauext.pdf - [Similar pages](#)

[PDF] Elliptic Curve Cryptography on a Palm OS Device

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Page 1. Elliptic Curve Cryptography on a Palm OS Device Andre Weimerskirch 1 , Christof Paar 2 , and Sheueling Chang Shantz 3 1 CS ...

www.crypto.ruhr-uni-bochum.de/imperia/md/content/texte/weika_eccpalm.pdf -

[Similar pages](#)

Sponsored Links

[Curves Fitness Programs](#)

[Women Lose Weight With Curves](#)

[Find the Right Fitness Program.](#)

[Women-Fitness.info](#)

[PDF] [Generic GF\(2\) Arithmetic in Software and its Application to ECC](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Page 1. Generic GF(2 m) Arithmetic in Software and its Application to ECC Andre Weimerskirch 1, Douglas Stebila 2, and Sheueling Chang Shantz 3 ...

www.crypto.ruhr-uni-bochum.de/imperia/md/content/texte/weimerskirchetal_ecc.pdf -

[Similar pages](#)

[PDF] [Efficient Arithmetic on Koblitz Curves *](#)

File Format: PDF/Adobe Acrobat

... Boston. Manufactured in The Netherlands. **Efficient Arithmetic on Koblitz Curves ***

JEROME A. SOLINAS National Security Agency, Ft. ...

www.ingentaconnect.com/content/klu/desi/2000/00000019/F0020002/00253940 -

[Similar pages](#)

Go o o o o o o g l e ►

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [Next](#)

 [Free! Google Desktop Search](#): Search your own computer.

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2005 Google

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership | Publications/Services | Standards | Conferences | Careers/Jobs

 Welcome
 United States Patent and Trademark Office


» Se

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)
[Quick Links](#)

Welcome to IEEE Xplore

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Your search matched **3** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Results Key:

JNL = Journal or Magazine CNF = Conference STD = Standard

1 Experimental results of covert channel limitation in one-way communication systems

Ogurtsov, N.; Orman, H.; Schroepfel, R.; O'Malley, S.; Spatscheck, O.;
 Network and Distributed System Security, 1997. Proceedings., 1997 Symposium,
 on , 10-11 Feb. 1997
 Pages:2 - 15

[\[Abstract\]](#) | [\[PDF Full-Text \(1268KB\)\]](#) | IEEE CNF
2 Parallelized network security protocols

Nahum, E.; Yates, D.J.; O'Malley, S.; Orman, H.; Schroepfel, R.;
 Network and Distributed System Security, 1996., Proceedings of the Symposium,
 on , 22-23 Feb. 1996
 Pages:145 - 154

[\[Abstract\]](#) | [\[PDF Full-Text \(804KB\)\]](#) | IEEE CNF
3 Towards High Performance Cryptographic Software

Nahum, E.; O'Malley, S.; Orman, H.; Schroepfel, R.;
 Architecture and Implementation of High Performance Communication Subsys
 1995. (HPCS '95), 1995 Third IEEE Workshop on the , August 23-25, 1995
 Pages:69 - 72

[\[Abstract\]](#) | [\[PDF Full-Text \(396KB\)\]](#) | IEEE CNF

Print Format

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved